

HEALTH STATISTICS

FROM THE U.S. NATIONAL HEALTH SURVEY

**Duration of Limitation of Activity
due to chronic conditions**

United States

July 1959 - June 1960



U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE



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Duration of Limitation of Activity due to chronic conditions

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Statistics on the number of persons with limitation of activity due to chronic conditions and duration of limitation of activity by sex, age, and usual activity status. Based on data collected in household interviews during the period July 1959-June 1960.

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Abraham Ribicoff, Secretary

PUBLIC HEALTH SERVICE

Luther L. Terry, Surgeon General

NATIONAL CENTER FOR HEALTH STATISTICS

Forrest E. Linder, Ph.D., Director
Theodore D. Woolsey, Assistant Director
O. K. Sagen, Ph.D., Assistant Director

U. S. NATIONAL HEALTH SURVEY

Theodore D. Woolsey, Chief
Alice M. Waterhouse, M.D., Chief Medical Advisor
James E. Kelly, D.D.S., Dental Advisor
Walt R. Simmons, Statistical Advisor
Arthur J. McDowell, Chief, Health Examination Survey
Philip S. Lawrence, Sc.D., Chief, Health Interview Survey
Margery R. Cunningham, Staff Assistant
Robert T. Little, Chief, Automatic Data Processing

The U. S. National Health Survey is a continuing program under which the Public Health Service makes studies to determine the extent of illness and disability in the population of the United States and to gather related information. It is authorized by Public Law 652, 84th Congress.

CO-OPERATION OF THE BUREAU OF THE CENSUS

Under the legislation establishing the National Health Survey, the Public Health Service is authorized to use, insofar as possible, the services or facilities of other Federal, State, or private agencies.

In accordance with specifications established by the National Health Survey, the Bureau of the Census, under a contractual arrangement, participates in most aspects of survey planning, selects the sample, collects the data, and carries out certain parts of the statistical processing.

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SYMBOLS AND NOTES

Data not available (three dashes)-----	---
Category not applicable (three dots)-----	...
Magnitude less than one-half of the unit used -----	0 or 0.0
Magnitude of the sampling error precludes showing separate estimates-----	(*)

NOTE: Due to rounding detailed figures
within tables may not add to totals

DURATION OF CHRONIC ACTIVITY LIMITATION

SELECTED FINDINGS

Approximately 13.6 million persons in the United States, exclusive of those in institutions, have chronic activity limitations affecting their major activity, i. e., the ability to work, keep house, or go to school. This estimate, based on data collected in household interviews conducted during July 1959-June 1960 by the U. S. National Health Survey, National Center for Health Statistics, includes persons who are unable to carry on the customary major activity of persons of their age and sex group, or have some degree of limitation in amount or kind of major activity. About 42 percent, or 5.7 million of these persons, have had their present degree of limitation for 5 years or more (fig. 1), while approximately 5 million, 37 percent, have been limited from 1 to 4 years, and 2 million, 16 percent, have had their present limitation for less than a year. For the remaining 5 percent, information about the duration of limitation was not available.

Of those persons whose status immediately prior to limitation was reported, 55 percent were working at the time of becoming disabled to their present degree and 45 percent were not working. The latter percentage includes children, housewives, persons who were retired prior to the time the limitation began, and persons who had never been able to work.

About 3.8 million of the 13.6 million noninstitutionalized persons with limitations affecting their major activity reported that they were "usually working" during the 12 months prior to interview. Most of these workers were limited in the amount or kind of work performed. About 45 percent of them had had their present degree of limitation for 5 years or more. Approximately 30 percent had been limited for 1-4 years, while 21 percent had been limited less than 1 year, and 4 percent had limitation of unknown duration.

This report was prepared by Charles S. Wilder of the U. S. National Health Survey staff.

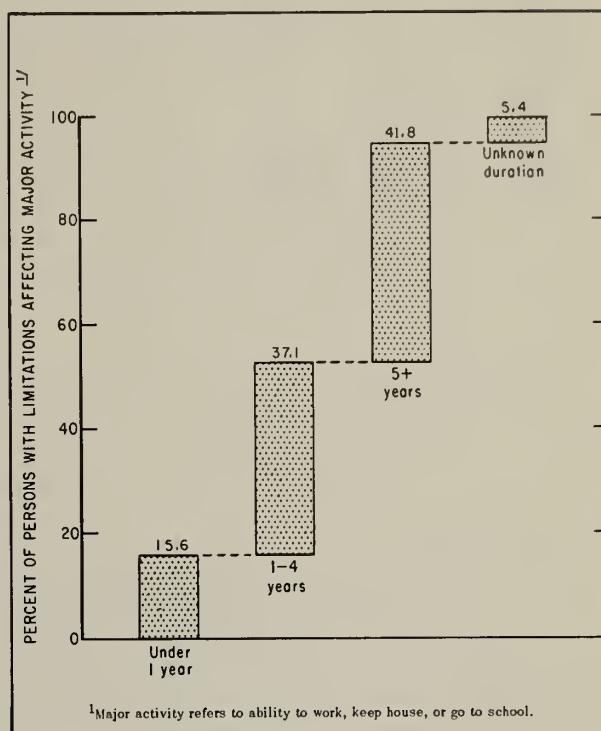


Figure 1. Percent distribution of persons with chronic limitations affecting major activity by duration of limitation.

SOURCE AND DESCRIPTION OF DATA

The measurement of the duration of limitation of activity due to chronic conditions is an indication of the long-term impact of chronic illness or impairment on the individual. This report is intended to show, in broad time intervals, the length of time the relatively severe forms of activity limitation affecting an individual's ability to work, keep house, or go to school have persisted. Duration of limitation has been tabulated in three time intervals: under 1 year, 1 to 4 years, and 5 years or more.

The information presented is derived from household interviews conducted by the U. S. National Health Survey, National Center for Health Statistics, during the year July 1959-June 1960. During the 12-month period this continuous, nationwide, probability sample of the civilian non-institutional population consisted of about 38,000 households with approximately 125,000 members living at the time of the interview. Data about health, social, and demographic characteristics of each household member were recorded on the questionnaire shown in Appendix III.

A brief description of the statistical design of the survey, the methods of estimation, and general qualifications of the data obtained from surveys is presented in Appendix I. Since data shown in this report are estimates based on a sample of the population rather than on the entire population, they are subject to sampling errors. While the sampling errors for most of the estimates are of relatively low magnitude, where an estimated number or the numerator or denominator of a rate or percentage is small, the sampling error may be high. Tables of sampling errors and instructions for their use are contained in the section, "Reliability of Estimates," in Appendix I.

Definitions of certain terms contained in this report are explained in Appendix II. Some of the terms have specialized meanings for the purpose of the survey. Familiarity with the definitions will assist the reader in interpretation of the data presented.

The sections of the survey questionnaire shown in Appendix III that apply to data presented in this report include the "illness-recall questions" (questions 11-17); the check lists of chronic conditions and impairments (Cards A and B) used with questions 16 and 17; columns (r) and (t) with associated Cards C-G; and columns (u) and (v) of table I of the questionnaire.

Each person who had reported the presence of a chronic condition was shown one of the four Cards, C-F (Appendix III) phrased in terms of the person's stated usual activity status during most of the 12 months prior to interview, and was asked to specify which statement as to limitation of activity fitted him best in terms of health. Card C is designed for workers and other persons (including retired persons) except housewives and children. The statements on the cards may be summarized as follows:

1. Unable to carry on major activity (pre-school play, school, housework, or work, as appropriate).
2. Limited in amount or kind of major activity performed.

3. Not limited in major activity but otherwise limited (church, sports, shopping, etc.).

4. Not limited in activities.

The usual activity status of a person describes his actual activity status during most of the 12 months prior to interview (preschool, school age, working, keeping house, retired, and other). Limitation of major activity, on the other hand, refers to an expression of inability or reduced ability to work, to keep house, or go to school resulting from activity limitation.

Each person who reported limitation of activity was further questioned as to the degree of present limitation of mobility (Card G, Appendix III). However, no data on mobility limitation are shown in this report (see Series B, No. 11).

If the person had stated in answer to the question about limitation of activity that he was unable to carry on his major activity or that he was limited in amount or kind of major activity, he was asked how long he had been so limited. No information was collected as to the duration of lesser limitations in category 3, above. For example, in the case of a person unable to work, the duration of limitation specified the length of time he had been unable to work and did not include any time he may have been limited in the amount or kind of work. However, if a person was limited in amount or kind of work, but earlier in this period of limitation had been unable to work at all, the duration of the present limitation included the entire time he had been either partly or entirely limited.

If the person was aged 17 years or over and was unable to carry on his major activity or was limited in amount or kind of major activity, he was asked whether he was working at a job or business immediately prior to becoming limited. For example, if a retired person reported that he was unable to work as a result of one or more chronic conditions, he was asked whether he was working at a job or business at the time the limitation started.

The responses to these questions and summarized statements serve as the basis of the present report. Activity limitation has been considered (1) by age-sex groups in the population, and (2) by usual activity status groups according to sex and according to age. For each set of variables the detailed tables include information on the duration of limitation for persons limited in relation to the major activity (ability to work, keep house, or go to school) for their population group, and according to the employment status of such persons at the time the limitation started. While the report is primarily concerned with

the duration of chronic limitation affecting major activity, tables presenting estimates of the amount of activity limitation in the population (tables 1, 2, 7, 8, 9, and 10) have been included to provide background material for data relating to duration of limitation. Data in these tables show relatively little change from estimates in an earlier U. S. National Health Survey report (Series B, No. 11).

DURATION OF LIMITATION AFFECTING MAJOR ACTIVITY

Age and Sex

During the 12-month period ending June 1960 an estimated 72 million persons, or 41 percent of the civilian noninstitutional population of the United States, were reported to have one or more chronic conditions at the time of the household interview (tables 1 and 2). About 18 million of these persons, or 10.5 percent of the population, had some degree of activity limitation due to chronic illness or impairment. An estimated 13.6 million had limitations affecting their major activity, and 4.9 million were limited to an extent not affecting their major activity.

About 3.9 million of the 13.6 million persons were unable to carry on a major activity and 9.7 million were limited in amount or kind of major activity performed (table 1). At the time of the household interview, many of these limitations had been present for a substantial period of time. It is estimated that 42 percent of the 13.6 million persons had been limited for 5 or more years, another 37 percent had been limited for 1-4 years, and 16 percent were limited for less than a year. The remaining 5 percent had been limited for an unknown length of time (table 3).

Examination of tables 1 and 2 reveals that the volume of chronic limitations affecting major activity varies considerably according to age and sex. The rate of chronic activity limitation increased with age. About 1 in each 100 persons under 17 years of age was limited in major activity. As age increased, the limitation rate also increased steadily until, for persons aged 65 years and over, about 37 percent were limited in major activity (fig. 2). The percentage of limitation of major activity was about the same for males and for females in all ages and for each age group under 65 years. However, for persons 65 years and over, the limitation rate was substantially greater for males than for females. For persons who were unable to carry on their major activity, the limitation rate was greater for males in nearly all of the age groups.

In most of the data presented on duration of limitation, the two degrees of limitation affecting

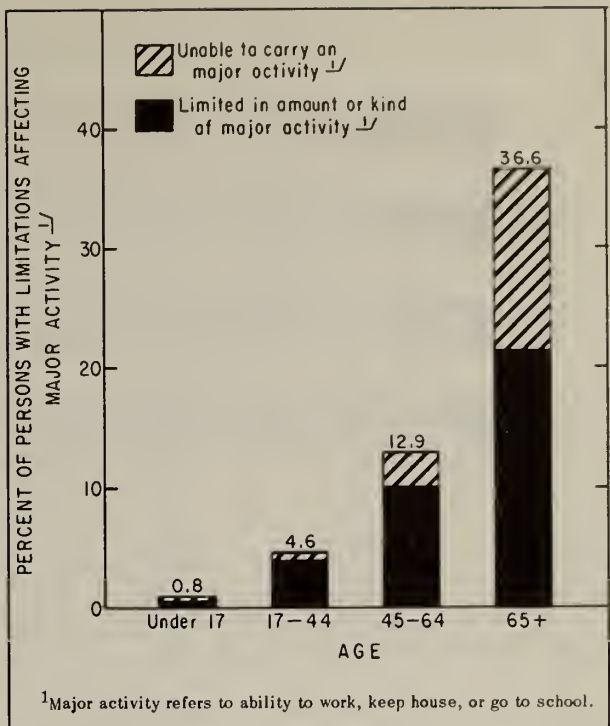


Figure 2. Percent distribution of persons with chronic limitations affecting major activity by degree of limitation according to age.

major activity have been combined into a single category of limitation. This combination was necessary to avoid presenting estimates of low magnitude that would have been subject to high sampling error. However, in tables 5 and 6 the data on persons unable to carry on their major activity and those limited in amount or kind of major activity are presented separately by duration of limitation.

The duration of limitations affecting major activity was influenced slightly by age and to a greater extent by sex (table 3). It should be remembered that no information as to duration of limitations affecting nonmajor activities has been obtained. Among persons with limitations affecting major activity, younger persons had a higher proportion of limitations which had been present for less than a year than did older persons (fig. 3). Beyond age 17 the proportion of persons who were limited for 5 or more years did not differ substantially in the several age groups. It should again be noted that these figures refer to people residing at home. The total duration of limitation among older persons in institutions is undoubtedly quite high.

There was little difference by sex in duration of limitations existing for less than 5 years. However, the percentage of males with limitations

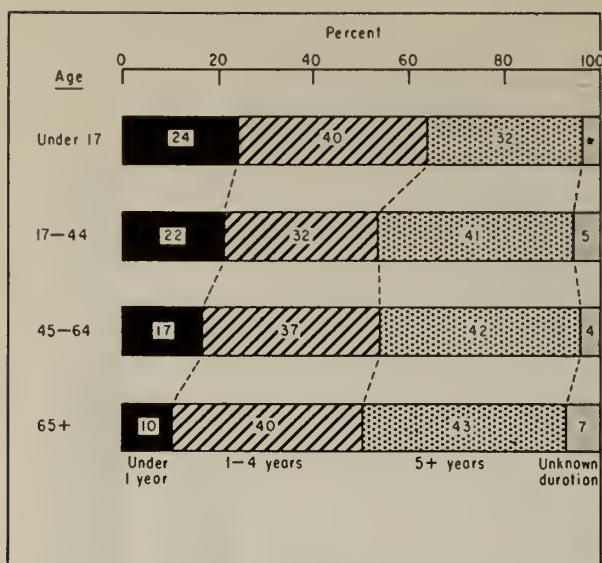


Figure 3. Percent distribution of persons with chronic limitations affecting major activity (ability to work, keep house, or go to school) by duration of limitation according to age.

present for 5 years or more was somewhat greater than the corresponding percentage for females. The greatest sex differential was noted among persons aged 17-44; about one half of the males reported limitations existing for 5 or more years compared with about one third of the females.

The percentage distribution by duration of limitation of all persons who were working at the time their limitations started is no different from that for persons who were not working prior to limitation (table 4). However, when age-sex groups within the two employment status groups are examined separately, the distribution by duration of limitation varies considerably. It should be emphasized that a limitation affecting major activity was reported in terms of the individual's usual activity status during most of the 12 months prior to interview and may be quite different from his usual activity status at the time the limitation started.

For persons 17-44 years of age who were not working at the time the limitation started, the percentage of persons with limitations existing for 5 years or more was substantially higher than that for persons who had worked up to the time of disability. The reverse was true for persons aged 65 and over. The younger group is probably composed in large part of persons who had never been able to work, whereas the older group contains many persons who stopped working because of their limitation.

The distribution of persons with limitations affecting major activity (ability to work, keep

house, or go to school) according to employment status immediately prior to limitation is shown in table A. In total, slightly more than half of these persons were working at the time the limitation started, although the proportion who had been working varied considerably with age, sex, and other population characteristics.

Usual Activity Status, Sex, and Age

In the survey a person's usual activity status was determined in terms of what his or her usual activity had been during the year prior to the interview. It is to be expected that the presence of chronic illness, degree of chronic limitation of activity, and duration of limitation are factors in the determination of usual activity in the preceding year. Tables 7 to 14 show the degree and duration of limitations for persons whose usual activity status during the year was working, keeping house, retired, or other, and for preschool and school-age children.

Among usual activity status groups the percentage of the total number of persons in each group who reported one or more chronic conditions varied from 17 percent for the preschool and school-age children to 81 percent for the retired group (tables 7 and 8). About 50 percent of the 61 million persons who reported working as their usual activity status during the past 12 months and approximately 60 percent of the 36 million women reported as keeping house had one or more chronic conditions.

Limitation of activity affecting major activity associated with chronic conditions was reported most frequently, as might be expected, for the retirees (fig. 4). In the household interview the retired persons were asked to select their activity limitation status from the card used for the "usually working" group; thus ability to work was the criterion for determination of limitation of activity. About 54 percent of the retired group had some degree of limitation of major activity, including about 34 percent who stated that they would be unable to work at a job or business.

Of the 61 million persons who were "usually working" during the past year, about 6 percent, or 3.8 million, had some degree of activity limitation affecting their major activity. About 3.4 million of these persons (5.6 percent of the "usually working" population) were limited in amount or kind of work; this figure may be considered as a gross estimate of the number of workers in the United States who for the most part are handicapped in some degree by a chronic condition. The remainder of the group consisted of persons who had been working for most of the past 12 months, but were unable to work at time of interview.

Table A. Number and percent distribution of persons with chronic activity limitation affecting major activity¹ by employment status when limitation started according to selected characteristics: United States, July 1959-June 1960

Characteristic	All persons with limitations of major activity ¹	Working at time limitation of major activity ¹ started	Not working at time limitation of major activity ¹ started	Unknown
Number of persons in thousands				
All persons-----	13,573	7,109	5,724	739
<u>Age</u>				
Under 17-----	539	...	518	(*)
17-44-----	2,887	1,538	1,202	147
45-64-----	4,598	3,005	1,413	180
65+-----	5,549	2,566	2,592	391
<u>Sex</u>				
Male-----	7,182	5,449	1,386	347
Female-----	6,391	1,660	4,339	392
<u>Usual activity status</u>				
Preschool and school age-----	539	...	518	(*)
Usually working-----	3,760	3,190	421	150
Keeping house (female only)-----	4,024	695	3,079	250
Retired-----	3,334	2,138	995	201
Other-----	1,916	1,087	712	117
Percent distribution				
All persons-----	100.0	52.4	42.2	5.4
<u>Age</u>				
Under 17-----	100.0	...	96.1	(*)
17-44-----	100.0	53.3	41.6	5.1
45-64-----	100.0	65.4	30.7	3.9
65+-----	100.0	46.2	46.7	7.0
<u>Sex</u>				
Male-----	100.0	75.9	19.3	4.8
Female-----	100.0	26.0	67.9	6.1
<u>Usual activity status</u>				
Preschool and school age-----	100.0	...	96.1	(*)
Usually working-----	100.0	84.8	11.2	4.0
Keeping house (female only)-----	100.0	17.3	76.5	6.2
Retired-----	100.0	64.1	29.8	6.0
Other-----	100.0	56.7	37.2	6.1

¹Major activity refers to ability to work, keep house, or go to school

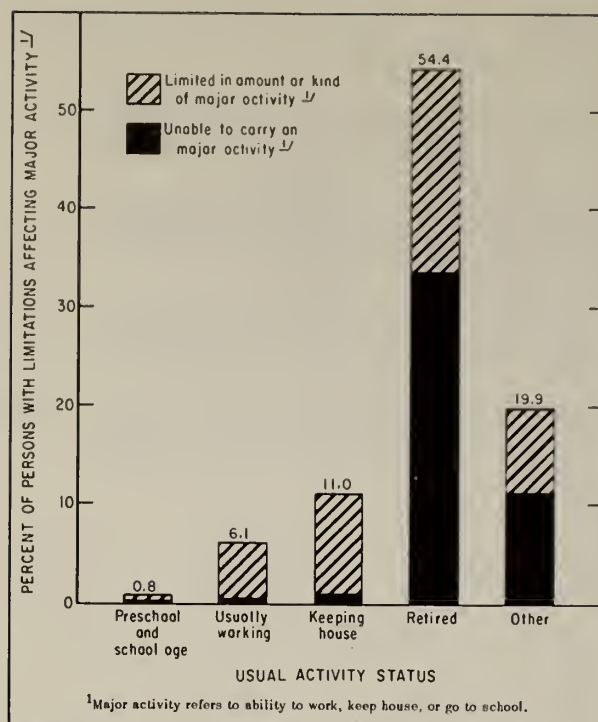


Figure 4. Percent distribution of persons with chronic limitations affecting major activity by degree of limitation according to type of usual activity status.

Of the estimated 36.5 million women whose usual activity status was "keeping house," 4 million, or about 11 percent, had some degree of activity limitation affecting major activity, the largest portion of which was limitation in amount or kind of housekeeping.

Text table B shows, by age, the proportion of people in each usual activity status who have a

chronic limitation affecting major activity. Detailed tables 9 and 10 show the age data according to each of the several degrees of limitation.

In general, as age increased the percentage of persons having any degree of activity limitation affecting major activity increased. The sole exception noted was for the retired; 68 percent had limitation of major activity for the age group 45-64 while only 53 percent had limitations at ages 65 and over. This reduction in rate for older retired persons does not result from any decrease in the number of limited persons. It results from a large increase in the size of the retired population at age 65 and over by persons who reached retirement status because of age rather than because of disability.

It should be pointed out that in the interview some respondents who became limited at or near normal retirement age may state that they are "retired" whereas others may state that they are "not retired" (although they are neither working nor keeping house). The latter are classified as "other" usual activity status. It is therefore not surprising to find that among older persons classified as "other," a high proportion have limitations which prevent work, or prevent full-time work, at a job or housekeeping. It is difficult to draw a distinction between older disabled persons who are retired and older disabled persons in the "other" usual activity status group, because the classification depends somewhat upon the respondent's concept of what he would be doing were he not limited.

Table 11 indicates that with few exceptions the duration of limitations affecting major activity did not differ significantly among the several usual activity status groups. The "usually working" group had a higher percentage of limitations

Table B. Percentages of the population in each usual activity status group who have limitations affecting major activity¹ by age: United States, July 1959-June 1960

Usual activity status	All ages	Under 17	17-44	45-64	65+
All persons-----	7.7	0.8	4.6	12.9	36.6
Preschool and school age-----	0.8	0.8	...	...	...
Usually working-----	6.1	...	3.8	8.3	18.4
Keeping house (female only)-----	11.0	...	4.6	13.4	26.3
Retired-----	54.4	...	...	68.3	52.6
Other-----	19.9	...	8.4	57.3	72.5

¹Major activity refers to ability to work, keep house, or go to school

of short duration than was noted for the other activity groups, whereas retired persons had the lowest percentage of limitations present for less than a year. The working group and retirees had about the same percentage of limitations existing for 5 years or more. The proportion of limited persons in each activity group within each interval of time limited is shown in table 11 by sex, and in table 13 by age.

Tables 12 and 14 show the duration of limitations affecting major activity for each usual activity status group according to whether or not the individuals were working at the time the limitation started. It should be pointed out that

usual activity status (shown in the stub of the tables) refers to activity status during the year prior to interview, while employment status (in the table headings) refers to the point in time when the limitation started. This difference in reference period explains apparent discrepancies in the tables. For instance, the 239,000 limited persons aged 17-44 whose usual activity was working during the past year, but who were not working when the limitation started, include many persons whose limitation started before they were old enough to be included in the working population.

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Table 1. Number of persons with limitation of activity due to chronic conditions by sex and age:
United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Sex and age	All persons	Persons with no chronic conditions	Persons with 1+ chronic conditions				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
Number of persons in thousands							
<u>Both sexes</u>							
All ages-----	174,621	102,796	71,826	53,386	4,868	9,654	3,919
Under 17-----	61,138	50,544	10,594	9,523	533	397	141
17-44-----	62,642	34,824	27,818	23,359	1,572	2,441	447
17-24-----	17,232	11,460	5,772	5,063	261	358	90
25-44-----	45,410	23,364	22,046	18,296	1,311	2,082	357
45-64-----	35,679	14,018	21,661	15,332	1,732	3,579	1,019
45-54-----	20,408	8,674	11,734	8,927	890	1,591	326
55-64-----	15,271	5,344	9,928	6,405	842	1,988	693
65+-----	15,161	3,410	11,752	5,172	1,031	3,237	2,311
65-74-----	9,935	2,566	7,368	3,699	635	1,979	1,055
75+-----	5,227	843	4,383	1,473	396	1,258	1,257
<u>Male</u>							
All ages-----	84,979	51,109	33,871	24,852	1,838	4,581	2,601
Under 17-----	31,170	25,282	5,888	5,286	288	225	89
17-44-----	29,731	17,207	12,524	10,445	587	1,216	276
17-24-----	7,982	5,518	2,464	2,118	118	182	46
25-44-----	21,749	11,689	10,060	8,327	469	1,034	230
45-64-----	17,234	7,005	10,229	7,129	672	1,694	734
45-54-----	9,919	4,360	5,559	4,241	333	755	230
55-64-----	7,316	2,646	4,670	2,887	339	939	504
65+-----	6,845	1,615	5,230	1,992	291	1,446	1,501
65-74-----	4,602	1,235	3,366	1,421	181	981	783
75+-----	2,243	379	1,864	571	110	465	718
<u>Female</u>							
All ages-----	89,642	51,687	37,955	28,534	3,030	5,073	1,318
Under 17-----	29,969	25,262	4,706	4,237	245	172	52
17-44-----	32,912	17,617	15,294	12,914	985	1,225	171
17-24-----	9,250	5,943	3,308	2,945	143	176	44
25-44-----	23,661	11,675	11,986	9,969	842	1,049	127
45-64-----	18,445	7,013	11,433	8,203	1,060	1,885	285
45-54-----	10,490	4,315	6,175	4,686	557	836	96
55-64-----	7,956	2,698	5,258	3,517	502	1,049	189
65+-----	8,317	1,795	6,522	3,181	740	1,791	810
65-74-----	5,333	1,331	4,002	2,279	454	998	271
75+-----	2,984	464	2,520	902	286	793	539

¹Major activity refers to ability to work, keep house, or go to school.

Table 2. Percent distribution of persons by limitation of activity due to chronic conditions according to sex and age: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Sex and age	All persons	Persons with no chronic conditions	Persons with 1+ chronic conditions				
			Total	With no limitation of activity ¹	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>Both sexes</u>	Percent distribution						
All ages-----	100.0	58.9	41.1	30.6	2.8	5.5	2.2
Under 17-----	100.0	82.7	17.3	15.6	0.9	0.6	0.2
17-44-----	100.0	55.6	44.4	37.3	2.5	3.9	0.7
17-24-----	100.0	66.5	33.5	29.4	1.5	2.1	0.5
25-44-----	100.0	51.5	48.5	40.3	2.9	4.6	0.8
45-64-----	100.0	39.3	60.7	43.0	4.9	10.0	2.9
45-54-----	100.0	42.5	57.5	43.7	4.4	7.8	1.6
55-64-----	100.0	35.0	65.0	41.9	5.5	13.0	4.5
65+-----	100.0	22.5	77.5	34.1	6.8	21.4	15.2
65-74-----	100.0	25.8	74.2	37.2	6.4	19.9	10.6
75+-----	100.0	16.1	83.9	28.2	7.6	24.1	24.0
<u>Male</u>							
All ages-----	100.0	60.1	39.9	29.2	2.2	5.4	3.1
Under 17-----	100.0	81.1	18.9	17.0	0.9	0.7	0.3
17-44-----	100.0	57.9	42.1	35.1	2.0	4.1	0.9
17-24-----	100.0	69.1	30.9	26.5	1.5	2.3	0.6
25-44-----	100.0	53.7	46.3	38.3	2.2	4.8	1.1
45-64-----	100.0	40.6	59.4	41.4	3.9	9.8	4.3
45-54-----	100.0	44.0	56.0	42.8	3.4	7.6	2.3
55-64-----	100.0	36.2	63.8	39.5	4.6	12.8	6.9
65+-----	100.0	23.6	76.4	29.1	4.3	21.1	21.9
65-74-----	100.0	26.8	73.1	30.9	3.9	21.3	17.0
75+-----	100.0	16.9	83.1	25.5	4.9	20.7	32.0
<u>Female</u>							
All ages-----	100.0	57.7	42.3	31.8	3.4	5.7	1.5
Under 17-----	100.0	84.3	15.7	14.1	0.8	0.6	0.2
17-44-----	100.0	53.5	46.5	39.2	3.0	3.7	0.5
17-24-----	100.0	64.2	35.8	31.8	1.5	1.9	0.5
25-44-----	100.0	49.3	50.7	42.1	3.6	4.4	0.5
45-64-----	100.0	38.0	62.0	44.5	5.7	10.2	1.5
45-54-----	100.0	41.1	58.9	44.7	5.3	8.0	0.9
55-64-----	100.0	33.9	66.1	44.2	6.3	13.2	2.4
65+-----	100.0	21.6	78.4	38.2	8.9	21.5	9.7
65-74-----	100.0	25.0	75.0	42.7	8.5	18.7	5.1
75+-----	100.0	15.5	84.5	30.2	9.6	26.6	18.1

¹Major activity refers to ability to work, keep house, or go to school.

Table 3. Number and percent distribution of persons with chronic activity limitation affecting major activity¹ by duration of limitation according to sex and age: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Sex and age	All persons with limitations of major activity ¹	Duration of limitation of major activity ¹			
		Under 1 year	1-4 years	5+ years	Unknown
Number of persons in thousands					
<u>Both sexes</u>					
All ages-----	13,573	2,115	5,039	5,680	739
Under 17-----	539	130	213	175	(*)
17-44-----	2,887	622	924	1,193	147
45-64-----	4,598	779	1,703	1,936	180
65+-----	5,549	583	2,199	2,376	391
<u>Male</u>					
All ages-----	7,182	1,047	2,526	3,262	347
Under 17-----	314	83	120	99	(*)
17-44-----	1,492	278	383	751	80
45-64-----	2,428	424	869	1,056	79
65+-----	2,947	263	1,153	1,356	176
<u>Female</u>					
All ages-----	6,391	1,068	2,513	2,418	392
Under 17-----	224	47	93	76	(*)
17-44-----	1,395	344	541	442	68
45-64-----	2,170	355	834	880	102
65+-----	2,601	321	1,046	1,020	215
Percent distribution					
<u>Both sexes</u>					
All ages-----	100.0	15.6	37.1	41.8	5.4
Under 17-----	100.0	24.1	39.5	32.5	(*)
17-44-----	100.0	21.5	32.0	41.3	5.1
45-64-----	100.0	16.9	37.0	42.1	3.9
65+-----	100.0	10.5	39.6	42.8	7.0
<u>Male</u>					
All ages-----	100.0	14.6	35.2	45.4	4.8
Under 17-----	100.0	26.4	38.2	31.5	(*)
17-44-----	100.0	18.6	25.7	50.3	5.4
45-64-----	100.0	17.5	35.8	43.5	3.3
65+-----	100.0	8.9	39.1	46.0	6.0
<u>Female</u>					
All ages-----	100.0	16.7	39.3	37.8	6.1
Under 17-----	100.0	21.0	41.5	33.9	(*)
17-44-----	100.0	24.7	38.8	31.7	4.9
45-64-----	100.0	16.4	38.4	40.6	4.7
65+-----	100.0	12.3	40.2	39.2	8.3

¹Major activity refers to ability to work, keep house, or go to school.

Table 4. Number and percent distribution of persons with chronic activity limitation affecting major activity¹ by duration of limitation according to employment status when limitation started, sex, and age: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Sex and age	All persons with limitations of major activity ¹	Working at time limitation of major activity ¹ started				Not working at time limitation of major activity ¹ started				Unknown as to work status and/or duration
		Total	Duration of limitation			Total	Duration of limitation			
			Under 1 year	1-4 years	5+ years		Under 1 year	1-4 years	5+ years	
Number of persons in thousands										
Both sexes										
All ages----	13,573	7,109	1,134	2,714	3,261	5,724	980	2,325	2,419	739
Under 17-----	539	...	...	...	...	518	130	213	175	(*)
17-44-----	2,887	1,538	393	543	602	1,202	229	382	591	147
45-64-----	4,598	3,005	548	1,166	1,292	1,413	231	537	644	180
65+-----	5,549	2,566	193	1,006	1,367	2,592	390	1,193	1,008	391
Male										
All ages----	7,182	5,449	821	2,008	2,620	1,386	226	518	642	347
Under 17-----	314	...	...	...	...	302	83	120	99	(*)
17-44-----	1,492	1,084	266	338	480	328	(*)	45	271	80
45-64-----	2,428	2,197	387	832	978	152	(*)	(*)	78	79
65+-----	2,947	2,168	168	838	1,161	604	95	315	194	176
Female										
All ages----	6,391	1,660	313	706	641	4,339	755	1,807	1,777	392
Under 17-----	224	...	...	...	...	216	47	93	76	(*)
17-44-----	1,395	454	127	205	121	874	217	337	321	68
45-64-----	2,170	808	160	334	314	1,261	195	500	566	102
65+-----	2,601	399	(*)	168	206	1,988	295	878	814	215
Percent distribution										
Both sexes										
All ages----	...	100.0	16.0	38.2	45.9	100.0	17.1	40.6	42.3	...
Under 17-----	...	...	...	...	...	100.0	25.1	41.1	33.8	...
17-44-----	...	100.0	25.6	35.3	39.1	100.0	19.1	31.8	49.2	...
45-64-----	...	100.0	18.2	38.8	43.0	100.0	16.3	38.0	45.6	...
65+-----	...	100.0	7.5	39.2	53.3	100.0	15.0	46.0	38.9	...
Male										
All ages----	...	100.0	15.1	36.9	48.1	100.0	16.3	37.4	46.3	...
Under 17-----	...	...	...	...	...	100.0	27.5	39.7	32.8	...
17-44-----	...	100.0	24.5	31.2	44.3	100.0	(*)	13.7	82.6	...
45-64-----	...	100.0	17.6	37.9	44.5	100.0	(*)	(*)	51.3	...
65+-----	...	100.0	7.7	38.7	53.6	100.0	15.7	52.2	32.1	...
Female										
All ages----	...	100.0	18.9	42.5	38.6	100.0	17.4	41.6	41.0	...
Under 17-----	...	...	...	...	...	100.0	21.8	43.1	35.2	...
17-44-----	...	100.0	28.0	45.2	26.7	100.0	24.8	38.6	36.7	...
45-64-----	...	100.0	19.8	41.3	38.9	100.0	15.5	39.7	44.9	...
65+-----	...	100.0	(*)	42.1	51.6	100.0	14.8	44.2	40.9	...

¹Major activity refers to ability to work, keep house, or go to school.

Table 5. Number and percent distribution of persons with chronic activity limitation affecting major activity¹ by duration of limitation according to degree of limitation and age: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix 1. Definitions of terms are given in Appendix 11]

Degree of limitation and age	All persons with limitation of major activity ¹	Duration of limitation of major activity ¹			
		Under 1 year	1-4 years	5+ years	Unknown
Number of persons in thousands					
<u>Unable to carry on major activity¹</u>					
All ages-----	3,919	742	1,347	1,577	252
Under 17-----	141	45	45	46	(*)
17-44-----	447	160	76	185	(*)
45-64-----	1,019	269	389	311	51
65+-----	2,311	269	838	1,034	171
<u>Limited in amount or kind of major activity¹</u>					
All ages-----	9,654	1,373	3,692	4,103	487
Under 17-----	397	85	168	129	(*)
17-44-----	2,441	463	848	1,008	122
45-64-----	3,579	510	1,314	1,625	129
65+-----	3,237	314	1,362	1,341	220
Percent distribution					
<u>Unable to carry on major activity¹</u>					
All ages-----	100.0	18.9	34.4	40.2	6.4
Under 17-----	100.0	31.9	31.9	32.6	(*)
17-44-----	100.0	35.8	17.0	41.4	(*)
45-64-----	100.0	26.4	38.2	30.5	5.0
65+-----	100.0	11.6	36.3	44.7	7.4
<u>Limited in amount or kind of major activity¹</u>					
All ages-----	100.0	14.2	38.2	42.5	5.0
Under 17-----	100.0	21.4	42.3	32.5	(*)
17-44-----	100.0	19.0	34.7	41.3	5.0
45-64-----	100.0	14.2	36.7	45.4	3.6
65+-----	100.0	9.7	42.1	41.4	6.8

¹Major activity refers to ability to work, keep house, or go to school.

Table 6. Number and percent distribution of persons with chronic activity limitation affecting major activity¹ by duration of limitation according to employment status when limitation started, degree of limitation, and age: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Degree of limitation and age	All persons with limitation of major activity ¹	Working at time limitation of major activity ¹ started				Not working at time limitation of major activity ¹ started				Unknown as to work status and/or duration
		Total	Duration of limitation			Total	Duration of limitation			
			Under 1 year	1-4 years	5+ years		Under 1 year	1-4 years	5+ years	
Number of persons in thousands										
<u>Unable to carry on major activity¹</u>										
All ages-----	3,919	2,176	429	768	979	1,490	313	579	598	252
Under 17-----	141	...	...	...	...	136	45	45	46	(*)
17-44-----	447	255	130	60	65	167	(*)	(*)	120	(*)
45-64-----	1,019	754	209	313	231	215	59	75	80	51
65+-----	2,311	1,168	90	394	683	973	179	443	351	171
<u>Limited in amount or kind of major activity¹</u>										
All ages-----	9,654	4,933	705	1,946	2,281	4,234	667	1,745	1,822	487
Under 17-----	397	...	...	...	...	382	85	168	129	(*)
17-44-----	2,441	1,283	264	482	537	1,036	199	366	471	122
45-64-----	3,579	2,251	338	852	1,060	1,198	172	462	564	129
65+-----	3,237	1,399	103	612	684	1,618	211	750	657	220
Percent distribution										
<u>Unable to carry on major activity¹</u>										
All ages-----	...	100.0	19.7	35.3	45.0	100.0	21.0	38.9	40.1	...
Under 17-----	...	...	...	...	...	100.0	33.1	33.1	33.8	...
17-44-----	...	100.0	51.0	23.5	25.5	100.0	(*)	(*)	71.9	...
45-64-----	...	100.0	27.7	41.5	30.6	100.0	27.4	34.9	37.2	...
65+-----	...	100.0	7.7	33.7	58.5	100.0	18.4	45.5	36.1	...
<u>Limited in amount or kind of major activity¹</u>										
All ages-----	...	100.0	14.3	39.4	46.2	100.0	15.8	41.2	43.0	...
Under 17-----	...	...	...	...	...	100.0	22.3	44.0	33.8	...
17-44-----	...	100.0	20.6	37.6	41.9	100.0	19.2	35.3	45.5	...
45-64-----	...	100.0	15.0	37.8	47.1	100.0	14.4	38.6	47.1	...
65+-----	...	100.0	7.4	43.7	48.9	100.0	13.0	46.4	40.6	...

¹Major activity refers to ability to work, keep house, or go to school.

Table 7. Number of persons with limitation of activity due to chronic conditions by usual activity status and sex: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and sex	All persons	Persons with no chronic conditions	Persons with 1+ chronic conditions				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
	Number of persons in thousands						
<u>All activities</u>							
Both sexes--	174,621	102,796	71,826	53,386	4,868	9,654	3,919
Male-----	84,979	51,109	33,871	24,852	1,838	4,581	2,601
Female-----	89,642	51,687	37,955	28,534	3,030	5,073	1,318
<u>Preschool and school age</u>							
Both sexes--	61,138	50,544	10,594	9,523	533	397	141
Male-----	31,170	25,282	5,888	5,286	288	225	89
Female-----	29,969	25,262	4,706	4,237	245	172	52
<u>Usually working</u>							
Both sexes--	61,311	31,171	30,140	24,660	1,719	3,429	331
Male-----	42,688	21,637	21,051	16,973	1,204	2,628	245
Female-----	18,624	9,535	9,089	7,687	515	801	86
<u>Keeping house</u>							
Female-----	36,456	14,762	21,694	15,529	2,142	3,700	324
<u>Retired</u>							
Both sexes--	6,128	1,178	4,951	1,364	252	1,281	2,053
Male-----	5,042	984	4,058	1,164	195	1,089	1,611
Female-----	1,086	194	892	200	58	192	442
<u>Other</u>							
Both sexes--	9,588	5,141	4,447	2,310	221	846	1,069
Male-----	6,080	3,207	2,874	1,428	150	639	656
Female-----	3,508	1,934	1,573	882	71	207	414

¹Major activity refers to ability to work, keep house, or go to school.

Table 8. Percent distribution of persons by limitation of activity due to chronic conditions according to usual activity status and sex: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and sex	All persons	Persons with no chronic conditions	Persons with 1+ chronic conditions				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>All activities</u>	Percent distribution						
Both sexes--	100.0	58.9	41.1	30.6	2.8	5.5	2.2
Male-----	100.0	60.1	39.9	29.2	2.2	5.4	3.1
Female-----	100.0	57.7	42.3	31.8	3.4	5.7	1.5
<u>Preschool and school age</u>							
Both sexes----	100.0	82.7	17.3	15.6	0.9	0.6	0.2
Male-----	100.0	81.1	18.9	17.0	0.9	0.7	0.3
Female-----	100.0	84.3	15.7	14.1	0.8	0.6	0.2
<u>Usually working</u>							
Both sexes----	100.0	50.8	49.2	40.2	2.8	5.6	0.5
Male-----	100.0	50.7	49.3	39.8	2.8	6.2	0.6
Female-----	100.0	51.2	48.8	41.3	2.8	4.3	0.5
<u>Keeping house</u>							
Female-----	100.0	40.5	59.5	42.6	5.9	10.1	0.9
<u>Retired</u>							
Both sexes----	100.0	19.2	80.8	22.3	4.1	20.9	33.5
Male-----	100.0	19.5	80.5	23.1	3.9	21.6	32.0
Female-----	100.0	17.9	82.1	18.4	5.3	17.7	40.7
<u>Other</u>							
Both sexes----	100.0	53.6	46.4	24.1	2.3	8.8	11.1
Male-----	100.0	52.7	47.3	23.5	2.5	10.5	10.8
Female-----	100.0	55.1	44.8	25.1	2.0	5.9	11.8

¹Major activity refers to ability to work, keep house, or go to school.

Table 9. Number of persons with limitation of activity due to chronic conditions by usual activity status and age: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and age	All persons	Persons with no chronic conditions	Persons with 1+ chronic conditions				
			Total	With no limitation of activity	With limitation, but not in major ¹ activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
Number of persons in thousands							
<u>All activities</u>							
All ages-----	174,621	102,796	71,826	53,386	4,868	9,654	3,919
Under 17-----	61,138	50,544	10,594	9,523	533	397	141
17-44-----	62,642	34,824	27,818	23,359	1,572	2,441	447
45-64-----	35,679	14,018	21,661	15,332	1,732	3,579	1,019
65+-----	15,161	3,410	11,752	5,172	1,031	3,237	2,311
<u>Preschool and school age</u>							
Under 17-----	61,138	50,544	10,594	9,523	533	397	141
<u>Usually working</u>							
All ages-17+--	61,311	31,171	30,140	24,660	1,719	3,429	331
17-44-----	36,091	20,558	15,533	13,431	720	1,264	117
45-64-----	22,497	9,721	12,776	10,029	869	1,714	164
65+-----	2,723	892	1,832	1,200	131	451	50
<u>Keeping house (female only)</u>							
All ages-17+--	36,456	14,762	21,694	15,529	2,142	3,700	324
17-44-----	19,004	9,480	9,524	7,943	709	833	40
45-64-----	11,198	3,939	7,259	4,963	789	1,402	105
65+-----	6,254	1,343	4,911	2,623	644	1,465	179
<u>Retired</u>							
All ages-45+--	6,128	1,178	4,951	1,364	252	1,281	2,053
45-64-----	694	99	595	103	18	144	330
65+-----	5,434	1,078	4,355	1,261	234	1,138	1,723
<u>Other</u>							
All ages-17+--	9,588	5,141	4,447	2,310	221	846	1,069
17-44-----	7,548	4,786	2,762	1,985	143	344	290
45-64-----	1,290	259	1,031	236	56	319	420
65+-----	750	96	654	89	22	184	360

¹Major activity refers to ability to work, keep house, or go to school.

Table 10. Percent distribution of persons by limitation of activity due to chronic conditions according to usual activity status and age: United States, July 1959-June 1960

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and age	All persons	Persons with no chronic conditions	Persons with 1+ chronic conditions				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>All activities</u>	Percent distribution						
All ages-----	100.0	58.9	41.1	30.6	2.8	5.5	2.2
Under 17-----	100.0	82.7	17.3	15.6	0.9	0.6	0.2
17-44-----	100.0	55.6	44.4	37.3	2.5	3.9	0.7
45-64-----	100.0	39.3	60.7	43.0	4.9	10.0	2.9
65+-----	100.0	22.5	77.5	34.1	6.8	21.4	15.2
<u>Preschool and school age</u>							
Under 17-----	100.0	82.7	17.3	15.6	0.9	0.6	0.2
<u>Usually working</u>							
All ages-17+--	100.0	50.8	49.2	40.2	2.8	5.6	0.5
17-44-----	100.0	57.0	43.0	37.2	2.0	3.5	0.3
45-64-----	100.0	43.2	56.8	44.6	3.9	7.6	0.7
65+-----	100.0	32.8	67.3	44.1	4.8	16.6	1.8
<u>Keeping house (female only)</u>							
All ages-17+--	100.0	40.5	59.5	42.6	5.9	10.1	0.9
17-44-----	100.0	49.9	50.1	41.8	3.7	4.4	0.2
45-64-----	100.0	35.2	64.8	44.3	7.0	12.5	0.9
65+-----	100.0	21.5	78.5	41.9	10.3	23.4	2.9
<u>Retired</u>							
All ages-45+--	100.0	19.2	80.8	22.3	4.1	20.9	33.5
45-64-----	100.0	14.3	85.7	14.8	2.6	20.7	47.6
65+-----	100.0	19.8	80.1	23.2	4.3	20.9	31.7
<u>Other</u>							
All ages-----	100.0	53.6	46.4	24.1	2.3	8.8	11.1
17-44-----	100.0	63.4	36.6	26.3	1.9	4.6	3.8
45-64-----	100.0	20.1	79.9	18.3	4.3	24.7	32.6
65+-----	100.0	12.8	87.2	11.9	2.9	24.5	48.0

¹Major activity refers to ability to work, keep house, or go to school.

Table 11. Number and percent distribution of persons with chronic activity limitation affecting States, July

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifica-

Usual activity status and sex	All persons with limitations of major activity ¹	Duration of limitation of major activity ¹			
		Under 1 year	1-4 years	5+ years	Unknown
<u>All activities</u>	Number of persons in thousands				
Both sexes-----	13,573	2,115	5,039	5,680	739
Male-----	7,182	1,047	2,526	3,262	347
Female-----	6,391	1,068	2,513	2,418	392
<u>Preschool and school age</u>					
Both sexes-----	539	130	213	175	(*)
Male-----	314	83	120	99	(*)
Female-----	224	47	93	76	(*)
<u>Usually working</u>					
Both sexes-----	3,760	797	1,140	1,674	150
Male-----	2,873	572	835	1,354	112
Female-----	887	225	304	320	(*)
<u>Keeping house</u>					
Female-----	4,024	648	1,632	1,494	250
<u>Retired</u>					
Both sexes-----	3,334	230	1,340	1,563	201
Male-----	2,699	174	1,091	1,271	164
Female-----	635	56	249	292	(*)
<u>Other</u>					
Both sexes-----	1,916	310	715	774	117
Male-----	1,295	218	480	538	59
Female-----	621	92	235	236	58

¹Major activity refers to ability to work, keep house, or go to school.

major activity¹ by duration of limitation according to usual activity status and sex: United 1959-June 1960

tions, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and sex	All persons with limitations of major activity ¹	Duration of limitation of major activity ¹			
		Under 1 year	1-4 years	5+ years	Unknown
<u>All activities</u>					
Both sexes-----	100.0	15.6	37.1	41.8	5.4
Male-----	100.0	14.6	35.2	45.4	4.8
Female-----	100.0	16.7	39.3	37.8	6.1
<u>Preschool and school age</u>					
Both sexes-----	100.0	24.1	39.5	32.5	(*)
Male-----	100.0	26.4	38.2	31.5	(*)
Female-----	100.0	21.0	41.5	33.9	(*)
<u>Usually working</u>					
Both sexes-----	100.0	21.2	30.3	44.5	4.0
Male-----	100.0	19.9	29.1	47.1	3.9
Female-----	100.0	25.4	34.3	36.1	(*)
<u>Keeping house</u>					
Female-----	100.0	16.1	40.6	37.1	6.2
<u>Retired</u>					
Both sexes-----	100.0	6.9	40.2	46.9	6.0
Male-----	100.0	6.4	40.4	47.1	6.1
Female-----	100.0	8.8	39.2	46.0	(*)
<u>Other</u>					
Both sexes-----	100.0	16.2	37.3	40.4	6.1
Male-----	100.0	16.8	37.1	41.5	4.6
Female-----	100.0	14.8	37.8	38.0	9.3

Table 12. Number and percent distribution of persons with chronic activity limitation affecting usual activity status, and sex:

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifica-

Usual activity status and sex	All persons with limitations of major activity ¹	Working at time limitation of major activity ¹ started				Not working at time limitation of major activity ¹ started				Unknown as to employment status and/or duration
		Total	Duration of limitation			Total	Duration of limitation			
			Under 1 year	1-4 years	5+ years		Under 1 year	1-4 years	5+ years	
Number of persons in thousands										
<u>All activities</u>										
Both sexes---	13,573	7,109	1,134	2,714	3,261	5,724	980	2,325	2,419	739
Male-----	7,182	5,449	821	2,008	2,620	1,386	226	518	642	347
Female-----	6,391	1,660	313	706	641	4,339	755	1,807	1,777	392
<u>Preschool and school age</u>										
Both sexes---	539	...	...	...	...	518	130	213	175	(*)
Male-----	314	...	...	...	...	302	83	120	99	(*)
Female-----	224	...	...	...	...	216	47	93	76	(*)
<u>Usually working</u>										
Both sexes---	3,760	3,190	770	1,047	1,373	421	(*)	93	301	150
Male-----	2,873	2,496	557	785	1,153	265	(*)	50	200	112
Female-----	887	694	213	262	219	155	(*)	(*)	101	(*)
<u>Keeping house</u>										
Female-----	4,024	695	67	332	295	3,079	581	1,300	1,198	250
<u>Retired</u>										
Both sexes---	3,334	2,138	93	858	1,187	995	137	482	376	201
Male-----	2,699	1,983	87	801	1,095	553	87	290	176	164
Female-----	635	155	(*)	57	92	442	50	191	200	(*)
<u>Other</u>										
Both sexes---	1,916	1,087	204	478	406	712	106	237	368	117
Male-----	1,295	970	177	422	371	266	42	57	167	59
Female-----	621	117	(*)	55	(*)	446	65	180	201	58

¹Major activity refers to ability to work, keep house, or go to school.

major activity¹ by duration of limitation according to employment status when limitation started, United States, July 1959-June 1960

tions, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and sex	Working at time limitation of major activity ¹ started				Not working at time limitation of major activity ¹ started			
	Total	Duration of limitation			Total	Duration of limitation		
		Under 1 year	1-4 years	5+ years		Under 1 year	1-4 years	5+ years
<u>All activities</u>	Percent distribution							
Both sexes-----	100.0	16.0	38.2	45.9	100.0	17.1	40.6	42.3
Male-----	100.0	15.1	36.9	48.1	100.0	16.3	37.4	46.3
Female-----	100.0	18.9	42.5	38.6	100.0	17.4	41.6	41.0
<u>Preschool and school age</u>								
Both sexes-----	100.0	...	...	...	100.0	25.1	41.1	33.8
Male-----	100.0	...	...	...	100.0	27.5	39.7	32.8
Female-----	100.0	...	...	...	100.0	21.8	43.1	35.2
<u>Usually working</u>								
Both sexes-----	100.0	24.1	32.8	43.0	100.0	(*)	22.1	71.5
Male-----	100.0	22.3	31.5	46.2	100.0	(*)	18.9	75.5
Female-----	100.0	30.7	37.8	31.6	100.0	(*)	(*)	65.2
<u>Keeping house</u>								
Female-----	100.0	9.6	47.8	42.4	100.0	18.9	42.2	38.9
<u>Retired</u>								
Both sexes-----	100.0	4.3	40.1	55.5	100.0	13.8	48.4	37.8
Male-----	100.0	4.4	40.4	55.2	100.0	15.7	52.4	31.8
Female-----	100.0	(*)	36.8	59.4	100.0	11.3	43.2	45.2
<u>Other</u>								
Both sexes-----	100.0	18.8	44.0	37.4	100.0	14.9	33.3	51.7
Male-----	100.0	18.2	43.5	38.2	100.0	15.8	21.4	62.8
Female-----	100.0	(*)	47.0	(*)	100.0	14.6	40.4	45.1

Table 13. Number and percent distribution of persons with chronic activity limitation affecting States, July

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifica-

Usual activity status and age	All persons with limitations of major activity ¹	Duration of limitation of major activity ¹			
		Under 1 year	1-4 years	5+ years	Unknown
Number of persons in thousands					
<u>All activities</u>					
All ages-----	13,573	2,115	5,039	5,680	739
Under 17-----	539	130	213	175	(*)
17-44-----	2,887	622	924	1,193	147
45-64-----	4,598	779	1,703	1,936	180
65+-----	5,549	583	2,199	2,376	391
<u>Preschool and school age</u>					
Under 17-----	539	130	213	175	(*)
<u>Usually working</u>					
All ages-17+-----	3,760	797	1,140	1,674	150
17-44-----	1,381	312	383	625	62
45-64-----	1,878	387	575	850	66
65+-----	501	98	181	199	(*)
<u>Keeping house (female only)</u>					
All ages-17+-----	4,024	648	1,632	1,494	250
17-44-----	873	213	361	255	(*)
45-64-----	1,508	212	616	613	66
65+-----	1,644	223	654	626	141
<u>Retired</u>					
All ages-45+-----	3,334	230	1,340	1,563	201
45-64-----	474	41	208	209	(*)
65+-----	2,860	189	1,132	1,354	186
<u>Other</u>					
All ages-----	1,916	310	715	774	117
17-44-----	633	97	180	314	(*)
45-64-----	739	139	303	264	(*)
65+-----	544	73	232	197	(*)

¹Major activity refers to ability to work, keep house, or go to school.

major activity¹ by duration of limitation according to usual activity status and age: United 1959-June 1960

tions, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and age	All persons with limitations of major ₁ activity	Duration of limitation of major activity ¹			
		Under 1 year	1-4 years	5+ years	Unknown
Percent distribution					
<u>All activities</u>					
All ages-----	100.0	15.6	37.1	41.8	5.4
Under 17-----	100.0	24.1	39.5	32.5	(*)
17-44-----	100.0	21.5	32.0	41.3	5.1
45-64-----	100.0	16.9	37.0	42.1	3.9
65+-----	100.0	10.5	39.6	42.8	7.0
<u>Preschool and school age</u>					
Under 17-----	100.0	24.1	39.5	32.5	(*)
<u>Usually working</u>					
All ages-17+-----	100.0	21.2	30.3	44.5	4.0
17-44-----	100.0	22.6	27.7	45.3	4.5
45-64-----	100.0	20.6	30.6	45.3	3.5
65+-----	100.0	19.6	36.1	39.7	(*)
<u>Keeping house (female only)</u>					
All ages-17+-----	100.0	16.1	40.6	37.1	6.2
17-44-----	100.0	24.4	41.4	29.2	(*)
45-64-----	100.0	14.1	40.8	40.6	4.4
65+-----	100.0	13.6	39.8	38.1	8.6
<u>Retired</u>					
All ages-45+-----	100.0	6.9	40.2	46.9	6.0
45-64-----	100.0	8.6	43.9	44.1	(*)
65+-----	100.0	6.6	39.6	47.3	6.5
<u>Other</u>					
All ages-----	100.0	16.2	37.3	40.4	6.1
17-44-----	100.0	15.3	28.4	49.6	(*)
45-64-----	100.0	18.8	41.0	35.7	(*)
65+-----	100.0	13.4	42.6	36.2	(*)

Table 14. Number and percent distribution of persons with chronic activity limitation affecting usual activity status, and age:

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifica-

Usual activity status and age	All persons with limitations of major activity ¹	Working at time limitation of major activity ¹ started				Not working at time limitation of major activity ¹ started				Unknown as to work status and/or duration
		Total	Duration of limitation			Total	Duration of limitation			
			Under 1 year	1-4 years	5+ years		Under 1 year	1-4 years	5+ years	
Number of persons in thousands										
<u>All activities</u>										
All ages-----	13,573	7,109	1,134	2,714	3,261	5,724	980	2,325	2,419	739
Under 17-----	539	...	...	...	...	518	130	213	175	(*)
17-44-----	2,887	1,539	393	543	602	1,202	229	382	591	147
45-64-----	4,598	3,005	548	1,166	1,292	1,413	231	537	644	180
65+-----	5,549	2,566	193	1,006	1,367	2,592	390	1,193	1,008	391
<u>Preschool and school age</u>										
Under 17-----	539	...	...	...	...	518	130	213	175	(*)
<u>Usually working</u>										
All ages-17+---	3,760	3,190	770	1,047	1,373	421	(*)	93	301	150
17-44-----	1,381	1,080	306	341	433	239	(*)	(*)	192	62
45-64-----	1,878	1,673	371	546	756	139	(*)	(*)	94	66
65+-----	501	436	93	159	183	(*)	(*)	(*)	(*)	(*)
<u>Keeping house (female only)</u>										
All ages-17+---	4,024	695	67	332	295	3,079	581	1,300	1,198	250
17-44-----	873	145	(*)	75	55	685	198	287	200	(*)
45-64-----	1,508	364	(*)	178	142	1,078	168	438	471	66
65+-----	1,644	186	(*)	79	99	1,317	214	575	528	141
<u>Retired</u>										
All ages-45+---	3,334	2,138	93	858	1,187	995	137	482	376	201
45-64-----	474	404	(*)	188	191	54	(*)	(*)	(*)	(*)
65+-----	2,860	1,734	67	670	996	941	122	462	357	186
<u>Other</u>										
All ages-17+---	1,916	1,087	204	478	406	712	106	237	368	117
17-44-----	633	312	72	126	114	278	(*)	54	200	(*)
45-64-----	739	564	107	254	203	142	(*)	49	61	(*)
65+-----	544	211	(*)	97	89	291	49	135	107	(*)

¹Major activity refers to ability to work, keep house, or go to school.

major activity¹ by duration of limitation according to employment status when limitation started, United States, July 1959-June 1960

tions, and information on the reliability of the estimates are given in Appendix I. Definitions of terms are given in Appendix II]

Usual activity status and age	Working at time limitation of major activity ¹ started				Not working at time limitation of major activity ¹ started			
	Total	Duration of limitation			Total	Duration of limitation		
		Under 1 year	1-4 years	5+ years		Under 1 year	1-4 years	5+ years
<u>All activities</u>	Percent distribution							
All ages-----	100.0	16.0	38.2	45.9	100.0	17.1	40.6	42.3
Under 17-----	...	...	...	...	100.0	25.1	41.1	33.8
17-44-----	100.0	25.5	35.3	39.1	100.0	19.1	31.8	49.2
45-64-----	100.0	18.2	38.8	43.0	100.0	16.3	38.0	45.6
65+-----	100.0	7.5	39.2	53.3	100.0	15.0	46.0	38.9
<u>Preschool and school age</u>								
Under 17-----	...	...	...	...	100.0	25.1	41.1	33.8
<u>Usually working</u>								
All ages-17+---	100.0	24.1	32.8	43.0	100.0	(*)	22.1	71.5
17-44-----	100.0	28.3	31.6	40.1	100.0	(*)	(*)	80.3
45-64-----	100.0	22.2	32.6	45.2	100.0	(*)	(*)	67.6
65+-----	100.0	21.3	36.5	42.0	(*)	(*)	(*)	(*)
<u>Keeping house (female only)</u>								
All ages-17+---	100.0	9.6	47.8	42.4	100.0	18.9	42.2	38.9
17-44-----	100.0	(*)	51.7	37.9	100.0	28.9	41.9	29.2
45-64-----	100.0	(*)	48.9	39.0	100.0	15.6	40.6	43.7
65+-----	100.0	(*)	42.5	53.2	100.0	16.2	43.7	40.1
<u>Retired</u>								
All ages-45+---	100.0	4.3	40.1	55.5	100.0	13.8	48.4	37.8
45-64-----	100.0	(*)	46.5	47.3	100.0	(*)	(*)	(*)
65+-----	100.0	3.9	38.6	57.4	100.0	13.0	49.1	37.9
<u>Other</u>								
All ages-17+---	100.0	18.8	44.0	37.4	100.0	14.9	33.3	51.7
17-44-----	100.0	23.1	40.4	36.5	100.0	(*)	19.4	71.9
45-64-----	100.0	19.0	45.0	36.0	100.0	(*)	34.5	43.0
65+-----	100.0	(*)	46.0	42.2	100.0	16.8	46.4	36.8

APPENDIX I

TECHNICAL NOTES ON METHODS

Background of This Report

This report on Duration of Chronic Activity Limitation is one of a series of statistical reports prepared by the U. S. National Health Survey. It is based on information collected in a continuing nationwide sample of households in the Health Interview Survey, which is one of the major parts of the program.

The Health Interview Survey utilizes a questionnaire which, in addition to personal and demographic characteristics, obtains information on illnesses, injuries, chronic conditions and impairments, health insurance coverage, and other health topics. As data relating to each of these various broad topics are tabulated and analyzed, separate reports are issued which cover one or more of the specific topics. The present report is based on the consolidated sample for 52 weeks of interviewing during the period July 1959-June 1960.

The population covered by the sample for the Health Interview Survey is the civilian noninstitutional population of the United States living at the time of the interview. The sample does not include members of the Armed Forces, U. S. nationals living in foreign countries, or crews of vessels.

Statistical Design of the Health Interview Survey

General plan.—The sampling plan of the survey follows a multistage probability design which permits a continuous sampling of the civilian noninstitutional population of the United States. The first stage of this design consists of drawing a sample of 500 from the 1,900 geographically defined Primary Sampling Units (PSU's) into which the United States has been divided. A PSU is a county, a group of contiguous counties, or a Standard Metropolitan Statistical Area.

With no loss in general understanding, the remaining stages can be telescoped and treated in this discussion as an ultimate stage. Within PSU's then, ultimate stage units called segments are defined, also geographically, in such a manner that each segment contains an expected six households in the sample. Each week a random sample of about 120 segments is drawn. In the approximately 700 households in those segments, household members are interviewed concerning factors related to health.

Since the household members interviewed each week are a representative sample of the population, samples for successive weeks can be combined into larger samples. Thus, the design permits both continuous measurement of characteristics of high in-

cidence or prevalence in the population, and through the larger consolidated samples, more detailed analysis of less common characteristics and smaller categories. The continuous collection has administrative and operational advantages as well as technical assets, since it permits field work to be handled with an experienced, stable staff.

Sample size and geographic detail.—Over the 12-month period ending June 1960, the sample included approximately 125,000 persons from 38,000 households in 6,400 segments. The over-all sample was designed in such a fashion that tabulations can be provided for each of the major geographic regions and for urban and rural sectors of the United States.

Collection of data.—The field operations for the household survey are performed by the Bureau of the Census under specifications established by the Public Health Service. In accordance with these specifications the Bureau of the Census designs and selects the sample; conducts the field interviewing, acting as the collecting agent for the Public Health Service; and edits and codes the questionnaires. Tabulations are prepared by the Public Health Service using the Bureau of the Census electronic computers.

Estimating methods.—Each statistic produced by the survey—for example, the number of persons who are unable to carry on major activity—is the result of two stages of ratio estimation. In the first of these, the factor is the ratio of the 1950 decennial population count to the 1950 estimated population in the U. S. National Health Survey's first-stage sample of PSU's. These factors are applied for some 50 color-residence classes.

Later, ratios of sample-produced estimates of the population to official Bureau of the Census figures for current population in about 60 age-sex-color classes are computed, and serve as second-stage factors for ratio estimating.

The effect of the ratio estimating process is to make the sample closely representative of the population by age, sex, color, and residence, thus reducing sampling variance.

As noted, each week's sample represents the population living during that week as well as characteristics of the population. Consolidation of samples over a time period, say a calendar quarter, produces estimates of average characteristics of the U. S. population for that calendar quarter.

For prevalence statistics, such as number of persons with one or more chronic conditions, figures are first calculated for each calendar quarter by averaging estimates for all weeks of interviewing in that quarter. Prevalence data for a year are then obtained by averaging the four quarterly figures.

General Qualifications

Nonresponse.—Data were adjusted for nonresponse by a procedure which imputes to persons in a household which was not interviewed the characteristics of persons in households in the same segment which were interviewed. The total noninterview rate was 5 percent; 1 percent was refusal, and the remainder was primarily due to the failure to find any eligible household respondent after repeated trials.

The interview process.—The statistics presented in this report are based on replies secured in interviews of persons in the sampled households. Each person 18 years and over, available at the time of interview, was interviewed individually. Proxy respondents within the household were employed for children and for adults not available at the time of the interview, provided the respondent was closely related to the person about whom information was being obtained.

There are limitations to the accuracy of diagnostic and other information collected in household interviews. For diagnostic information, the household respondent can, at best, pass on to the interviewer only the information the physician has given to the family. For conditions not medically attended, diagnostic information is often no more than a description of symptoms. However, other types of facts such as those concerning the circumstances and consequences of illness or injury and the resulting action taken or sought by the individual can be obtained more accurately from household members than from any other source, since only the persons concerned are in a position to report all of this type of information.

Rounding of numbers.—The original tabulations on which the data in this report are based show all estimates to the nearest whole unit. All consolidations were made from the original tabulations using the estimates to the nearest unit. In the final published tables the figures are rounded to the nearest thousand, although they are not necessarily accurate to that detail. Derived statistics such as rates and percent distributions are computed after the estimates on which they are based have been rounded to the nearest thousand.

Population figures.—Some of the published tables include population figures for specified categories. Except for certain over-all totals by age and sex, which are adjusted to independent estimates, these figures are based on the sample of households in the U. S. National Health Survey. They are given primarily for the purpose of providing denominators for rate computation, and for this purpose are more appropriate for use with the accompanying measures of health characteristics than other population data that may be available. In some instances they will permit users to recombine published data into classes more suitable to their specific needs. With the exception of the over-all totals by age and sex, mentioned above, the population figures may in some cases differ from corresponding figures (which are derived from different sources) published in reports of the Bureau of the Census. For population data for general use, see the official estimates presented in Bureau of the Census reports in the P-20, P-25, P-50, P-57, and P-60 series.

Reliability of Estimates

Since the estimates are based on a sample, they will differ somewhat from the figures that would have been obtained if a complete census had been taken using the same schedules, instructions, and interviewing personnel and procedures. As in any survey, the results are also subject to measurement error.

The standard error is primarily a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the standard error also reflects part of the variation which arises in the measurement process. It does not include estimates of any biases which might lie in the data. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 95 out of 100 that the difference would be less than twice the standard error and about 99 out of 100 that it would be less than 2½ times as large.

In order to derive standard errors which would be applicable to a wide variety of health statistics and which could be prepared at a moderate cost, a number of approximations were required. As a result, the tables of standard errors shown in this Appendix should be interpreted as providing an estimate of approximate standard error rather than as the precise standard error for any specific statistic.

The following rules will enable the reader to determine the sampling errors for the data contained in this report.

1. Estimates of aggregates: Approximate standard errors of the number of persons with specific health or demographic characteristics, such as the number of persons with one or more chronic conditions, and the number of persons with a type of chronic limitation of activity, are obtained from table I.

Example:

The number of males with 1+ chronic conditions and no limitation of activity was 24,852,000 (table 1). Since the standard error for this estimate is not shown in table I, it is necessary to interpolate between the standard error for 20,000,000 which is 300,000 and the standard error for 30,000,000 which is 330,000. Interpolation between these values gives 315,000 as the approximate standard error for 24,852,000 males with 1+ chronic conditions and no limitation of activity.

2. Estimates of percentages in a percent distribution: Approximate standard errors of percentages in percent distributions of persons are given in table II.

Example:

Of the 18,624,000 females who are usually working (table 7) 41.3 percent have one or more chronic conditions but have no limitation of activity (table 8). Since neither the base nor the percentage is shown in table II, it is necessary to interpolate between 25 percent and 50 percent to obtain 1.20 as the standard error of 41.3 percent with a base of 10,000,000 and 0.83 as the standard error of 41.3 percent with a base of 20,000,000. A final interpolation between these results yields 0.88, rounded to 0.9, as the standard error for a statistic of 41.3 percent with a base of 18,624,000.

Table I. Standard errors of estimates of aggregates

(All numbers shown in thousands)	
Size of estimate	For estimates of the number of:
	Persons by health or other demographic characteristic ¹
	The approximate standard error is:
100-----	22
500-----	50
1,000-----	70
2,000-----	100
3,000-----	120
5,000-----	160
10,000-----	220
20,000-----	300
30,000-----	330
50,000-----	350
100,000-----	400
200,000-----	...

¹The total U.S. population by age, sex, and residence has been adjusted to official Bureau of the Census figures and therefore is not subject to sampling error.

Table II. Standard errors of percentage distribution of persons

When the base of the percentage is number of:	For estimated percentages of:				
Persons by health or other demographic characteristics (in thousands)	2 or 98	5 or 95	10 or 90	25 or 75	50
	The approximate standard error (expressed in percentage points) is:				
100-----	3.6	5.6	6.8	9.8	12.9
500-----	1.6	2.5	3.0	4.4	5.8
1,000-----	1.1	1.8	2.1	3.1	4.1
2,000-----	0.8	1.3	1.5	2.2	2.9
3,000-----	0.7	1.0	1.2	1.8	2.4
5,000-----	0.5	0.8	1.0	1.4	1.8
10,000-----	0.4	0.6	0.7	1.0	1.3
20,000-----	0.3	0.4	0.5	0.7	0.9
30,000-----	0.2	0.3	0.4	0.6	0.7
50,000-----	0.2	0.3	0.3	0.4	0.6
100,000-----	0.1	0.2	0.2	0.3	0.4

APPENDIX II

DEFINITIONS OF CERTAIN TERMS USED IN THIS REPORT

Terms Relating to Chronic Conditions

Condition.—A morbidity condition, or simply a condition, is any entry on the questionnaire which describes a departure from a state of physical or mental well-being. It results from a positive response to one of a series of "illness-recall" questions. In the coding and tabulating process, conditions are selected or classified according to a number of different criteria, such as, whether they were medically attended; whether they resulted in disability; whether they were acute or chronic; or according to the type of disease, injury, impairment, or symptom reported. For the purposes of each published report or set of tables, only those conditions recorded on the questionnaire which satisfy certain stated criteria are included.

Chronic condition.—A condition is considered to be chronic if (1) it is described by the respondent in terms of one of the chronic diseases on the "Check List of Chronic Conditions" or in terms of one of the types of impairments on the "Check List of Impairments," or (2) the condition is described by the respondent as having been first noticed more than 3 months before the week of the interview.

Persons with chronic conditions.—The estimated number of persons with chronic conditions is based on the number of persons who at the time of the interview were reported to have one or more chronic conditions.

Prevalence of conditions.—In general, prevalence of conditions is the estimated number of conditions of a specified type existing at a specified time or the average number existing during a specified interval of time. The prevalence of chronic conditions is defined as the number of chronic cases reported to be present or assumed to be present at the time of the interview; those assumed to be present at the time of the interview are cases described by the respondent in terms of one of the chronic diseases on the "Check List of Chronic Conditions" and reported to have been present at some time during the 12-month period prior to the interview.

Terms Relating to Disability

Chronic activity limitation.—Persons with chronic conditions are classified into 4 categories according to the extent to which their activities are limited at present as a result of these conditions. Since the usual activities of preschool children, school-age children, housewives, and workers and other persons differ, a different set of criteria is used for each group. There is a general similarity between them, however, as will be seen in the descriptions of the 4 categories below:

1. Persons unable to carry on major activity for their group (major activity refers to ability to work, keep house, or go to school)
 - Preschool children: inability to take part in ordinary play with other children.
 - School-age children: inability to go to school.
 - Housewives: inability to do any housework.
 - Workers and all other persons: inability to work at a job or business.
2. Persons limited in the amount or kind of major activity performed (major activity refers to ability to work, keep house, or go to school)
 - Preschool children: limited in the amount or kind of play with other children, e.g., need special rest periods, cannot play strenuous games, cannot play for long periods at a time.
 - School-age children: limited to certain types of schools or in school attendance, e.g., need special schools or special teaching, cannot go to school full time or for long periods at a time.
 - Housewives: limited in amount or kind of housework, i.e., cannot lift children, wash or iron, or do housework for long periods at a time.
 - Workers and all other persons: limited in amount or kind of work, e.g., need special working aids or special rest periods at work, cannot work full time or for long periods at a time, cannot do strenuous work.
3. Persons not limited in major activity but otherwise limited (major activity refers to ability to work, keep house, or go to school)
 - Preschool children: not classified in this category.
 - School-age children: not limited in going to school but limited in participation in athletics or other extracurricular activities.
 - Housewives: not limited in housework but limited in other activities, such as church, clubs, hobbies, civic projects, or shopping.

Workers and all other persons:

not limited in regular work activities but limited in other activities, such as church, clubs, hobbies, civic projects, sports, or games.

4. Persons not limited in activities

Includes persons with chronic conditions whose activities are not limited in any of the ways described above.

Chronic mobility limitation.—Persons with chronic activity limitation of some degree as a result of one or more chronic conditions are classified according to the extent to which their mobility is limited at present.

There are 4 categories as follows:

1. Confined to the house—confined to the house all the time except in emergencies.
2. Cannot get around alone—able to go outside but needs the help of another person in getting around outside.
3. Has trouble getting around alone—able to go outside alone but has trouble in getting around freely.
4. Not limited in mobility—not limited in any of the ways described above.

Demographic, Social, and Economic Terms

Age.—The age recorded for each person is the age at last birthday. Age is recorded in single years and grouped in a variety of distributions depending upon the purpose of the table.

Usual activity status.—All persons in the population are classified according to their usual activity status during the 12-month period prior to the week of interview. The "usual" activity status, in case more than one is reported, is the one at which the person spent the most time during the 12-month period. Children under 6 years of age are classified as "pre-school." All persons aged 6-16 years are classified as "school age."

The categories of usual activity status used in this report for persons aged 17 years and over are: usually

working, usually keeping house, retired, and other. For several reasons these categories are not comparable with somewhat similarly named categories in official Federal labor force statistics. First, the responses concerning usual activity status are accepted without detailed questioning, since the objective of the question is not to estimate the numbers of persons in labor force categories but to identify crudely certain population groups which may have differing health problems. Second, the figures represent the usual activity status over the period of an entire year, whereas official labor force statistics relate to a much shorter period, usually one week. Third, the minimum age for usually working persons is age 17 in the U. S. National Health Survey and the official labor force categories include all persons age 14 or older. Finally in the definitions of specific categories which follow, certain marginal groups are classified differently to simplify procedures.

Usually working includes persons 17 years of age or older who are paid employees; self employed in their own business, profession, or in farming; or unpaid employees in a family business or farm. Work around the house, or volunteer or unpaid work, such as for a church, etc., is not counted as working.

Usually keeping house includes female persons 17 years of age or older whose major activity is described as "keeping house" and who cannot be classified as "working."

Retired includes persons 45 years old or over who consider themselves to be retired. In case of doubt, a person 45 years of age or older is counted as retired if he, or she, has either voluntarily or involuntarily stopped working, is not looking for work, and is not described as "keeping house." A retired person may or may not be unable to work.

Other in this report includes males 17 years of age or older not classified as "working," or "retired" and females 17 years of age or older not classified as "working," "keeping house," or "retired." Persons aged 17 years and over who are going to school are included in this group.

APPENDIX III

QUESTIONNAIRE

The items below show the exact content and wording of the basic questionnaire used in the nationwide household survey of the U. S. National Health Survey. The actual questionnaire is designed for a household as a unit and includes additional spaces for reports on more than one person, condition, accident or hospitalization. Such repetitive spaces are omitted in this illustration.

CONFIDENTIAL - The National Health Survey is authorized by Public Law 652 of the 84th Congress (70 Stat 489; 42 U.S.C. 305). All information which would permit identification of the individual will be held strictly confidential, will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed or released to others for any other purposes (22 FR 1687)

FORM NMS-3 4-17-50		U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS ACTING AS COLLECTING AGENCY FOR THE U.S. PUBLIC HEALTH SERVICE		1. Questionnaire _____ of _____ Questionnaire	
2. (a) Address or description of location (b) Mailing address if not shown in (a) _____		3. Ident. Code _____	4. Sub-sample weight _____	5. Sample Number _____	6. PSU Number _____
(c) Type of living quarters: ☐ Dwelling unit ☐ Other _____		(d) Name of Special Dwelling Place _____		Code _____	
12. Are there any other living quarters, occupied or vacant, in this building (apartment)? _____ Yes ☐ No ☐		13. Does anyone else living in this building use YOUR ENTRANCE to get to his living quarters? _____ Yes ☐ No ☐		14. Is there any other building on this property for people to live in - either occupied or vacant? _____ Yes ☐ No ☐	
9. Is this house on a farm or ranch? _____ Yes ☐ No ☐					
10. What is the telephone number here? _____					
11. In case I've overlooked anything, what is the best time to call? _____					
INSTRUCTIONS If "Yes" to questions 12, 13 or 14 apply definition of a dwelling unit to determine whether one or more additional questionnaires should be filled and whether the listing is to be corrected.					
15. RECORD OF CALLS AT HOUSEHOLDS					
Item Entire household		Date Time	1	Com.	2
Callbacks for individual respondents Col. No.		Date Time	3	Com.	4
			5	Com.	6
16. REASON FOR NON-INTERVIEW					
TYPE	A	B	C	Z	
Reason:	☐ Refusal ☐ No one at home - repeated calls ☐ Temporarily absent ☐ Other (Specify) _____	☐ Vacant - non-seasonal ☐ Vacant - seasonal ☐ Usual residence elsewhere ☐ Armed Forces ☐ Other (Specify) _____	☐ Demolished ☐ In sample by mistake ☐ Eliminated in sub-sample ☐ Other (Specify) _____	Interview not obtained for: Col. _____ because: _____	
Comments on non-interview: _____					
17. Signature of interviewer _____					18. Code _____
Special instructions or notes _____					

1. (a) What is the name of the head of this household? (Enter name in first column) (b) What are the names of all other persons who live here? (List all persons who usually live here, and all persons staying here who have no usual place of residence elsewhere. List these persons in the prescribed order.)		Last name (1) _____ First name and initial _____
(c) Do any (other) lodgers or roomers live here? ☐ No ☐ Yes (List) _____ (d) Is there anyone else who lives here who is now away on business? On a visit? Temporarily in a hospital? ☐ No ☐ Yes (List) _____ (e) Is there anyone else staying here now? ☐ No ☐ Yes (List) _____ (f) Do any of the people in this household have a home elsewhere? ☐ No (leave on questionnaire) ☐ Yes (If not a household member, delete) _____		Relationship _____ Head
2. How are you related to the head of the household? (Enter relationship to head, for example: head, wife, daughter, grandson, mother-in-law, partner, lodger, lodger's wife, etc.)		Age ☐ Under 1 year ☐ 1 year or over
3. How old were you on your last birthday?		Race ☐ White ☐ Negro ☐ Other
4. Sex (Check one box for each person)		Sex ☐ Male ☐ Female
5. If 17 years old or over, ask: 6. Are you now married, widowed, divorced, separated or never married? (Check one box for each person)		Marital status ☐ Under 17 years ☐ Married ☐ Divorced ☐ Widowed ☐ Separated ☐ Never married
7. What is the highest grade you completed in school? (Circle highest grade completed or check "None")		Education: Elem: 1 2 3 4 5 6 7 8 High: 1 2 3 4 College: 1 2 3 4 5 ☐ None
8. (a) Did you ever serve in the Armed Forces of the United States? If "Yes," ask: (b) Are you now in the Armed Forces, not counting the reserves? (If "Yes," delete this person from questionnaire)		Military service ☐ Yes ☐ No ☐ Fem or und. 17 yrs.
(c) Was any of your service during a war or was it peace-time only? If "War," ask: (d) During which war did you serve? If "Peace-time" only, ask: (e) Was any of your service between June 27, 1950 and January 31, 1955?		War/Peace-time ☐ War ☐ Peace-time only ☐ I I ☐ Other ☐ Yes ☐ No
9. (a) What were you doing most of the past 12 months... (For males): working, or doing something else? (For females): working, keeping house, or doing something else? If "Something else" checked, and person is 45 years old or over, ask: (b) Are you retired?		Activity ☐ Under 17 years ☐ Working ☐ Keeping house ☐ Something else ☐ Yes ☐ No
10. (a) Were you working last week or the week before? If any entry in q. 9 (a) besides "Working," ask: (b) Did you work at a job or business at any time last week or the week before? If "No" to q. 10 (a) or 10 (b), ask: (c) Even though you did not work last week or the week before, do you have a job or business?		Employment ☐ Yes ☐ No

NOTE: Beginning with question 11 you are to interview for himself or herself, each adult person who is at home.

11. Were you sick at any time LAST WEEK OR THE WEEK BEFORE? (It has is, the 2-week period which ended last Sunday)? (a) What was the matter? (b) Anything else?	☐ Yes ☐ No
12. Last week or the week before did you take any medicine or treatment for any condition (besides which you told me about)? (a) For what conditions? (b) Anything else?	☐ Yes ☐ No
13. Last week or the week before did you have any accidents or injuries? (a) What was the injury? (b) Anything else?	☐ Yes ☐ No
14. Did you ever have an (any other) accident or injury that was still bothering you last week or the week before? (a) How did it bother you? (b) Anything else?	☐ Yes ☐ No
15. AT THE PRESENT TIME do you have any ailments or conditions that have lasted for a long time? (If "No") Even though they don't bother you all the time? (a) What are they? (b) Anything else?	☐ Yes ☐ No
16. Has anyone in the family - you, your..., etc. - had any of these conditions DURING THE PAST 12 MONTHS? (Read Card A, condition by condition; record any conditions mentioned in the column for the person)	☐ Yes ☐ No
17. Does anyone in the family have any of these conditions? (Read Card B, condition by condition; record any conditions mentioned in the column for the person)	☐ Yes ☐ No
R Show in each person's column who responded for questions 11-17. If person responded for self, show whether entirely or partly.	☐ Responded for self entirely ☐ Responded for self partly Col. No. _____ was respondent

Table I - ILLNESSES, IMPAIRMENTS AND INJURIES

Line number	Col. No. of person	Question number	What did the doctor say it was? ... did he give it a medical name?	What was the cause of it? (This column to be filled if entry in Col. (d-1) is so. Impairment or a Symptom or	If eye trouble of any kind and 6 years old or over, ask:	What kind of ... trouble is it? Ask only for impairments Injuries	What part of the body is affected? Ask only for impairments Injuries	LAST WEEK OR THE WEEK BEFORE did you ... check you to cut down on your usual activities for days or more as a day?	How many days, ... days were you in bed all or most of the day?	How many of these days, ... days were you in bed all or most of the day?	If 6-16 years old ask: How many days did ... keep you from school last week or the week before?
(a)	(b)	(c)	(d-1)	(d-2)	(d-3)	(d-4)	(d-5)	(e)	(f)	(g)	(h)
1			☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			

Table II - HOSPITALIZATION DURING PAST 12 MONTHS

Line number	Col. No. of person	Question No.	When did you enter the hospital? (Month, year)	How many days were you in the hospital, not counting the day you left?	To Interviewer: How many of these days were in the past 12 months?	Will you need to ask cols. (f) and (g)?	How many of these days were last week or the week before?	Was this person still in the hospital on last Sunday night?	What did they say at the hospital the condition was? ... did they give it a medical name? (If "they" didn't say, ask:)	What did the last doctor you talked to say it was? (Show same detail as in cols. (d-1)-(d-5) of T.I. If condition from accident or injury, also fill Table A)	Were any operations performed on you during this stay at the hospital?
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	
1			Mo: _____ Yr: _____	☐ All or ☐ Days	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No			☐ Yes ☐ No

Table A - (Accidents and Injuries)

1. When did it happen? Yes: _____ (If the year is 1959 or 1960, also enter the month) Month: _____	☐ Accident happened last week or the week before
2. At the time of the accident, what part of the body was hurt? What kind of injury was it? Anything else?	☐ Accident happened last week or the week before
3(a) Was a car, truck, bus or other motor vehicle involved in the accident in any way?	☐ Yes ☐ No (Go to q. 7)
(b) Was more than one motor vehicle involved?	☐ Yes (more than one) ☐ No
(c) Was it (either one) moving at the time?	☐ Yes ☐ No (Go to q. 7)
4. Were you outside the vehicle, getting in or out of it, a passenger or were you the driver? 1. ☐ Outside 2. ☐ Getting in or out 3. ☐ Passenger 4. ☐ Driver	
If "Outside"	
5. (a) How did the accident happen? 1. ☐ Collision between motor vehicle and person riding on bicycle, in streetcar, on railroad train, on horse-drawn vehicle 2. ☐ Collision between motor vehicle and person who was walking, running, or standing 3. ☐ Other (Specify) _____ (b) What kind of motor vehicle was involved? 1. ☐ Car 2. ☐ Taxi 3. ☐ Bus 4. ☐ Truck 5. ☐ Motorcycle (Go to question 8) 6. ☐ Other (Specify) _____	
If "Getting in or out," "Passenger" or "Driver"	
6. (a) How did the accident happen? 1. ☐ Collision with another motor vehicle on roadway 2. ☐ Collision with some other object on roadway (Specify object) _____ 3. ☐ Came to sudden stop on roadway 4. ☐ Ran off roadway 5. ☐ Other (Specify) _____ (b) What kind of motor vehicle were you in (getting in) (getting out) when the accident happened? 1. ☐ Car 2. ☐ Taxi 3. ☐ Bus 4. ☐ Truck 5. ☐ Motorcycle (Go to question 8) 6. ☐ Other (Specify) _____	

18. (a) I have some questions about health insurance. We don't want to include insurance that pays ONLY for accidents, but we are interested in all other kinds. Do you, your..., have insurance that pays all or part of the bill when you go to the hospital? If "Yes," (b) What is the name of the plan (or plans)? Any other plans? (c) Who is covered by this plan (each plan)? (Check "Yes," in 18(a) for each person covered) (d) Does the plan (either plan) pay any part of the surgeon's bill for an operation?		☐ Yes ☐ No ☐ OK Name(s) _____ ☐ Yes ☐ No ☐ OK
19. (a) Again, including insurance that pays ONLY for accidents, do you, your... have insurance that pays all or part of the bill for doctors' visits at home or at his office? If "Yes," (b) What is the name of the plan (or plans)? Any other plans? (c) Who is covered by this plan (each plan)? (Check "Yes," in 19(a) for each person covered)		☐ Yes ☐ No ☐ OK Name(s) _____ ☐ Yes ☐ No ☐ OK
R: Enter in each person's column whether or not he responded for himself for questions 18 and 19 and if he did not, (1) show the column number of the person who responded for him or (2) the fact that a Form NIS-3(a) which covered him was left. q. 18, 19		☐ Responded for self Col. No. _____ was respondent ☐ Form NIS-3 (a) left
20. (a) DURING THE PAST 12 MONTHS has anyone in the family been a patient in a hospital overnight or longer? If "Yes," (b) How many times were you in the hospital?		☐ Yes (Table II) ☐ No _____ No. of times
21. (a) During the past 12 months has anyone in the family been a patient in a nursing home or sanitarium? If "Yes," (b) How many times were you in a nursing home or sanitarium?		☐ Yes (Table II) ☐ No _____ No. of times
22. During the past 12 months in which group did the total income of your family fall, that is, your's, your-...s, etc.? (Show Card H) Includes income from all sources, such as wages, salaries, rents from property, pensions, help from relatives, etc.		Group No. _____

Table I - ILLNESSES, IMPAIRMENTS AND INJURIES

If "Yes," in q. 10(a), 10(b) or 10(c), ask:	Did you first notice... (did it happen) DURING THE PAST 3 MONTHS or before that time?	Check one Before Date: 3 mos. 3 mos. (a) to (m) (n)	Old... start during the past 2 weeks or before that time? (If during past 2 weeks, ask: Which week, last week or the week before?)	To Interviewer: If col. (k) is checked, or the condition is on either one of Cards A or B, continue; otherwise STOP	Did you first notice... (did it happen) DURING THE PAST 12 MONTHS or before that time? (If during past 12 months, ask: Which month?)	How long since you last talked to a doctor about...? (If less than one month, enter "Under 1" for "Mo.")	Do you still take any medicine or treatment the past 12 months has...? In bed for all or most of the day?	About how many days during the past 12 months has...? In bed for all or most of the day?	If 1 or more in Col. (q-1) and "No" in Col. (e), ask: How many of these days were during last week or the week before?	Ask after completing last condition for each person:			If "1," or "2," or "3" in col. (r) ask: Please look at this card and read each statement. Then tell me which statement fits you best in terms of health. (Show Cards C, E, as appropriate)	If "1," or "2," or "3" in col. (s) ask: Which? (Enter X on line for each condition named)	If "1," or "2," or "3" in col. (t) ask: How long have you been...? (Insert the words of the statement or selected business up to that time?)	If "1," or "2," or "3" in col. (u) ask: Please look at this card and read each statement. Then tell me which statement fits you best. (Show Card G)	Line number
										(j)	(k)	(l)					
Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	Days or Week before None	1

Table II - HOSPITALIZATION DURING PAST 12 MONTHS

What is the name and address of the hospital you were in? (Enter name, city and State; if city not known, enter County)	For completed hospitalizations only ("No" in Col. (g)):				
	Was any of the hospital bill paid for by any kind of insurance?	If "No" to col. (k), ask: Or, by any kind of plan that pays for hospital costs?	If "No" to both col. (k) and (l), ask: Do you expect any of the hospital bill to be paid for by insurance or any plan of this kind?	Who paid the cost of this insurance--that is, who pays the premium?	Who carries the cost of this insurance--that is, who pays the premium?
(j)	(k)	(l)	(m)	(n)	(o)
	☐ Yes (Skip to col. n) ☐ No	☐ Yes (Skip to col. n) ☐ No	☐ Yes ☐ No (Stop)	☐ Under 1/2 ☐ 1/2 up to 1/2 ☐ 1/2 or more	☐ Family member(s) ☐ Employer ☐ Union, clubs, etc.

7. How did the accident happen? 1. ☐ Any injury involving a uncontrolled fire or explosion 2. ☐ Any injury involving the discharge of a firearm 3. ☐ Any injury from an accident involving a non-motor vehicle in motion (streetcar, railroad train, airplane, boat, bicycle, horse-drawn vehicle) 4. ☐ Any injury inflicted by machinery (belt or motor driven) while in operation (Specify type) _____ 5. ☐ Any injury inflicted by edge or point of knife, scissors, nail or other cutting or piercing implement 6. ☐ Any injury inflicted by foreign body in eye, windpipe, or other orifices 7. ☐ Any injury inflicted by animal or insect 8. ☐ Any injury inflicted by poisonous substance swallowed (Specify substance) _____ 9. ☐ Fall on stairs or steps or from a height 10. ☐ All other falls 11. ☐ Bumped into object or person (covers all collisions between persons including striking, punching, kicking, etc.) 12. ☐ Struck by moving object (includes objects held in own hand or hand of other person, also falling, flying or thrown objects) 13. ☐ Handling or stepping on sharp or rough object (includes wounds from splinters, broken glass, etc.) 14. ☐ Caught in, pinched or crushed (i.e., between two moving objects or between a moving and a stationary object) 15. ☐ Came in contact with hot object or substance or open flame 16. ☐ Lifting or other exertion 17. ☐ Twisting, stumbling, etc. 18. ☐ Other (Specify how accident happened) _____	
8. (a) Where did the accident happen--at home or some other place? 1. ☐ At home (inside house) 2. ☐ At home (adjacent premises) 3. ☐ Some other place If "Some other place," ask: (b) What kind of place was it? 4. ☐ Street and highway 5. ☐ School, (including school premises) 6. ☐ Place of recreation and sports, except at school 7. ☐ Industrial place and premises 8. ☐ Other (Specify) _____	
9. Were you at work or your job or business when the accident happened? 1. ☐ Yes 2. ☐ No 3. ☐ While in Armed Services 4. ☐ Under 17 at time of accident	

FOOTNOTES AND COMMENTS

Card A NATIONAL HEALTH SURVEY Check List of Chronic Conditions 1. Asthma 2. Hay fever 3. Tuberculosis 4. Chronic bronchitis 5. Repeated attacks of sinus trouble 6. Rheumatic fever 7. Hardening of the arteries 8. High blood pressure 9. Heart trouble 10. Stroke 11. Trouble with varicose veins 12. Hemorrhoids or piles 13. Tumor, cyst or growth 14. Chronic gallbladder or liver trouble 15. Stomach ulcer 16. Any other chronic stomach trouble 17. Kidney stones or chronic kidney trouble 18. Arthritis or rheumatism 19. Mental illness 20. Diabetes 21. Thyroid trouble or goiter 22. Any allergy 23. Epilepsy 24. Chronic nervous trouble 25. Cancer 26. Chronic skin trouble 27. Hernia or rupture 28. Prostate trouble	Card C NATIONAL HEALTH SURVEY For: Workers and other persons except Housewives and Children 1. Not able to work at all at present. 2. Able to work but limited in amount of work or kind of work. 3. Able to work but limited in kind or amount of other activities. 4. Not limited in any of these ways.	Card E NATIONAL HEALTH SURVEY For: Children from 6 through 16 years old 1. Not able to go to school at all at present time. 2. Able to go to school but limited to certain types of schools or in school attendance. 3. Able to go to school but limited in other activities. 4. Not limited in any of these ways.	Card G NATIONAL HEALTH SURVEY 1. Confined to the house all the time, except in emergencies. 2. Able to go outside but need the help of another person in getting around outside. 3. Able to go outside alone but have trouble in getting around freely. 4. Not limited in any of these ways.
Card B NATIONAL HEALTH SURVEY Check List of Selected Impairments 1. Deafness or serious trouble with hearing 2. Serious trouble with seeing, even when wearing glasses 3. Cleft palate 4. Any speech defect 5. Missing fingers, hand, or arm --- toes, foot, or leg 6. Cerebral palsy 7. Paralysis of any kind 8. Repeated trouble with back or spine 9. Club foot 10. Any permanent stiffness or deformity of the foot, leg, fingers, arm or back 11. Condition present since birth	Card D NATIONAL HEALTH SURVEY For: Housewife 1. Not able to keep house at all at present. 2. Able to keep house but limited in amount or kind of housework. 3. Able to keep house but limited in kind or amount of other activities. 4. Not limited in any of these ways.	Card F NATIONAL HEALTH SURVEY For: Children under 6 years old 1. Not able to take part at all in ordinary play with other children. 2. Able to play with other children but limited in amount or kind of play. 4. Not limited in any of these ways.	Card H NATIONAL HEALTH SURVEY Family income during past 12 months Group 1. Under \$500 (including loss) Group 2. \$500 - \$999 Group 3. \$1,000 - \$1,999 Group 4. \$2,000 - \$2,999 Group 5. \$3,000 - \$3,999 Group 6. \$4,000 - \$4,999 Group 7. \$5,000 - \$6,999 Group 8. \$7,000 - \$9,999 Group 9. \$10,000 and over

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Public Health Service Publication No. 584

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